

Analysis of Diesel using an Agilent J&W FactorFour VF-5ht UltiMetal Column

Application Note

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Introduction

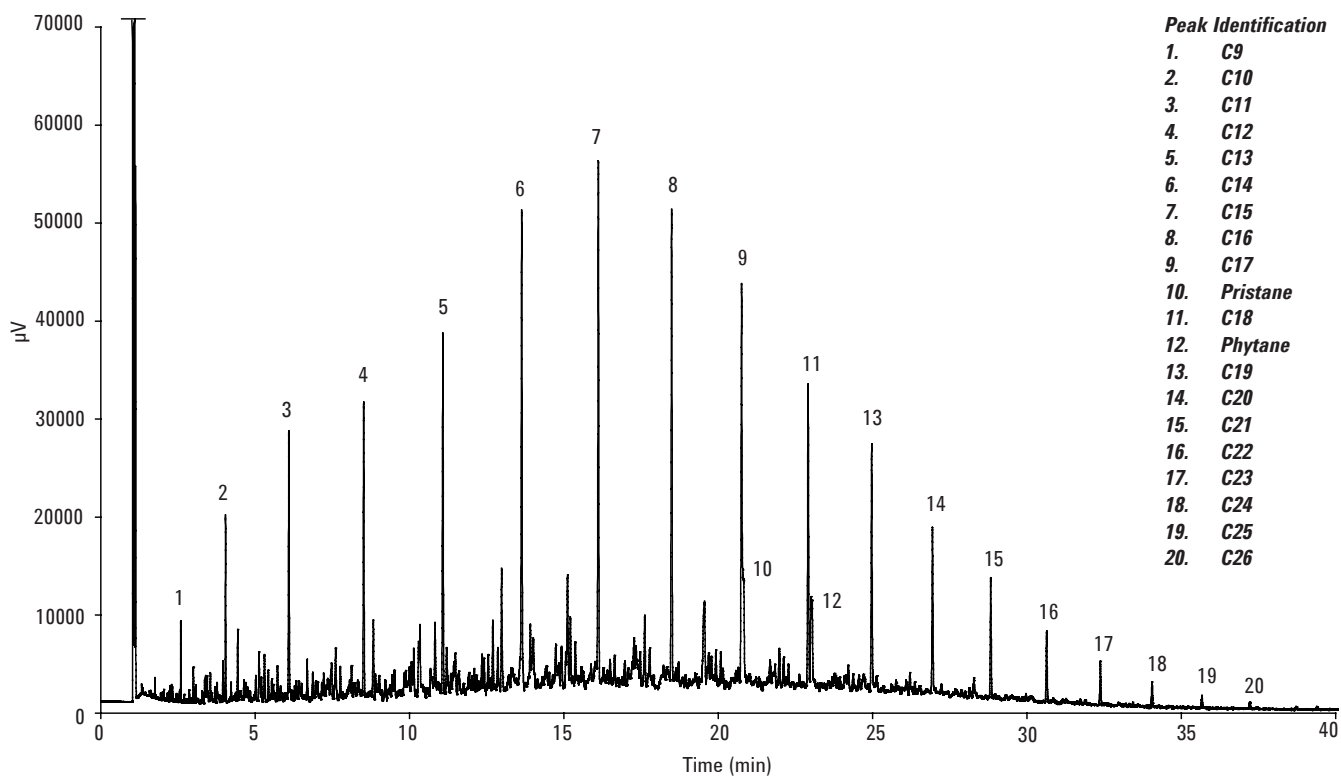
This analysis of diesel is performed using a VF-5ht UltiMetal column. The column has been developed using proprietary UltiMetal technology that provides a virtually unbreakable metal column material with excellent inertness properties similar to fused silica tubing. The UltiMetal column tubing is coated with the VF-5ms low bleed arylene stabilized liquid phase, resulting in a highly temperature stable and durable column perfectly suited for a variety of high temperature applications.



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Conditions

Technique:	GC	Carrier Gas:	Hydrogen, 65 kPa (9 psi)
Column:	VF-5ht UltiMetal, 30 m x 0.25 mm (part number CP9093) Df = 0.1 µm + Retention Gap, 2 m x 0.53 mm	Injector:	Split, 325 °C, split ratio 1:100
		Injection Volume:	2.0 µl
		Temperature:	50 °C to 400 °C with 5 °C/ min
Sample:	Diesel, 0.1 % (Pentane)	Detection:	FID, 340 °C



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